1) Complete these calculations.

a)

	Ones	tenths	hundredths	thousandths
	2	3	4	
+	3	4	6	2

b)

	4	3		
+	2	7	2	5

c) 3.142 + 4.68 = _____

d) 2.03 + 6.109 = _____

2) Looking at these calculations, use your estimating knowledge to identify which have the wrong answer without doing any written methods. Tick or cross to show which are correct and incorrect. What would you estimate the totals to be?

◯ **a)** 6.321 + 2.54 = 6.575 ◯ **b)** 4.37 + 1.756 = 6.126 ◯ **c)** 2.3 + 3.125 = 314.8

_____ _____ _____

3) Jody walked 2.406km on Monday and another 3.84km on Tuesday.
How far has she walked in total?

1) Philip and Holly are adding 2.356 and 3.47 together. Here are their methods:

Philip

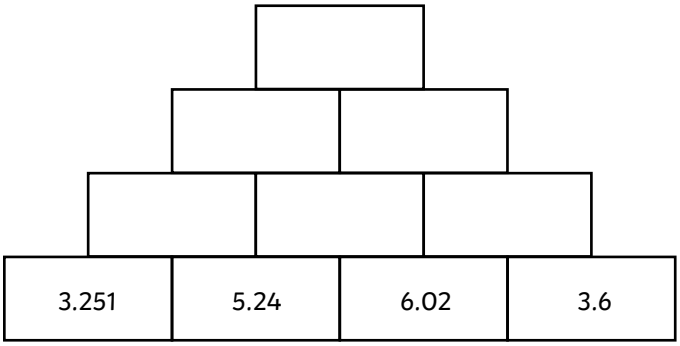
	2 .	3	5	6
+	3 .	4	7	
	5 .	**8**	**2**	**6**
		1		

Holly

	2 .	3	5	6
	+ 3 .	4	7	
	2 .	**7**	**0**	**3**
		1	1	

Who's method is correct? Prove it and explain the mistake the other person has made.

2) Complete the addition pyramid. The block above each pair of blocks is the total of the numbers below it.



3) Can you work out the missing digits in these calculations?

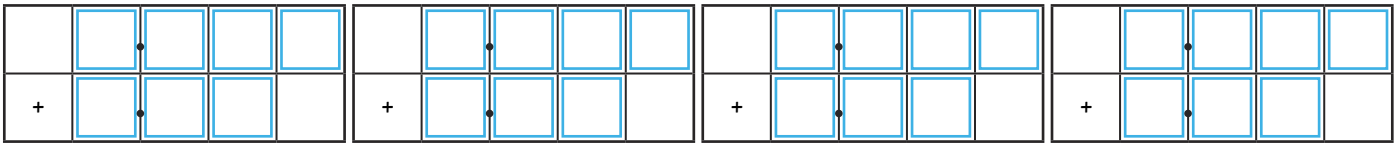
	□ .	2	□	□
+	1 .	6	8	
	4 .	□	**2**	**3**

	□ .	5	□	□
+	2 .	□	7	
	5 .	**1**	**7**	**8**

1) Use these digit cards to make 2 numbers with a total between 6 and 7. Find 4 possible solutions. You can only use the digits 1-7 once.

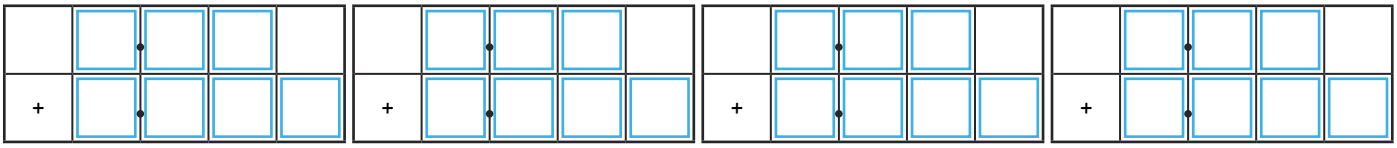
1	2	3	4	5	6	7

	?	?	?	?
+	?	?	?	



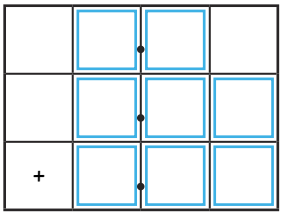
2) The calculation has a total that when rounded to the nearest whole number is 10. Again you can only use the digits 1-7 once. Find 4 possible solutions.

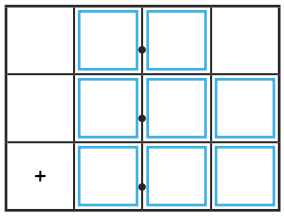
	?	?	?	
+	?	?	?	?

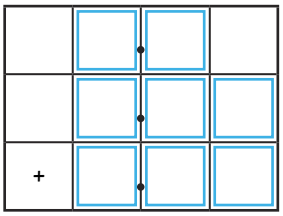


3) Each digit is different. These three numbers have a total of 10. What could they be? Find 3 possible solutions.

	?	?	
	?	?	?
+	?	?	?







What do you notice about the digits you have used in your different solutions?